



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE

United States Patent and Trademark Office

Address: COMMISSIONER FOR PATENTS

P.O. Box 1450

Alexandria, Virginia 22313-1450

www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/538,612	06/10/2005	Petrus Theodorus Jutte	NL021441	8940
24737 7590 07/18/2008 PHILIPS INTELLECTUAL PROPERTY & STANDARDS P.O. BOX 3001 BRIARCLIFF MANOR, NY 10510				
EXAMINER NWAKAMMA, CHIBUTKE K				
ART UNIT		PAPER NUMBER		
2627				
MAIL DATE		DELIVERY MODE		
07/18/2008		PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/538,612

Applicant(s)

JUTTE, PETRUS THEODORUS

Examiner

CHIBUIKE K. NWAKAMMA

Art Unit

2627

Period for Reply -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 March 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 and 3-9 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 and 3-9 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 06/10/2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-8508)
- Paper No(s)/Mail Date _____

- 4) ☐ Interview Summary (PTO-413)
- Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Specification

1. The disclosure is objected to because of the following informalities: The specification does not show the headings for Background of Invention, Brief Summary of Invention, Brief Description of Drawings, and Detailed Description of Invention. Appropriate correction is required.
2. The following guidelines illustrate the preferred layout for the specification of a utility application. These guidelines are suggested for the applicant's use.

Arrangement of the Specification

As provided in 37 CFR 1.77(b), the specification of a utility application should include the following sections in order. Each of the lettered items should appear in upper case, without underlining or bold type, as a section heading. If no text follows the section heading, the phrase "Not Applicable" should follow the section heading:

- (a) TITLE OF THE INVENTION.
- (b) CROSS-REFERENCE TO RELATED APPLICATIONS.
- (c) STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT.
- (d) THE NAMES OF THE PARTIES TO A JOINT RESEARCH AGREEMENT.
- (e) INCORPORATION-BY-REFERENCE OF MATERIAL SUBMITTED ON A COMPACT DISC.
- (f) BACKGROUND OF THE INVENTION.
 - (1) Field of the Invention.
 - (2) Description of Related Art including information disclosed under 37 CFR 1.97 and 1.98.
- (g) BRIEF SUMMARY OF THE INVENTION.
- (h) BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING(S).
- (i) DETAILED DESCRIPTION OF THE INVENTION.
- (j) CLAIM OR CLAIMS (commencing on a separate sheet).
- (k) ABSTRACT OF THE DISCLOSURE (commencing on a separate sheet).
- (l) SEQUENCE LISTING (See MPEP § 2424 and 37 CFR 1.821-1.825. A "Sequence Listing" is required on paper if the application discloses a nucleotide or amino acid sequence as defined in 37 CFR 1.821(a) and if the required "Sequence Listing" is not submitted as an electronic document on compact disc).

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1, 3, 5-9 are rejected under 35 U.S.C. 102(b) as being anticipated by Uchiyama et al (US 6163409).

Regarding claim 1, Uchiyama discloses, an apparatus comprising an optical head for reading and/or writing data in an optical carrier having a circular shape, comprising tracks wound round the center of the carrier (Fig. 3, element 101 and col. 1, lines 5-11, col. 9, lines 3-7 and 29-30), this apparatus comprising:

an optical assembly constituting said head (Figs. 3-4, element 200) for providing a light spot onto the carrier (Fig. 3, elements 28, 101; Fig. 6A), having a main light path direction defined by the direction of the light emitted by a first laser device (Figs. 3-4, element 18) and/or by reflecting mirror devices (Figs. 3-4, element 15 and col. 20, lines 43-44), and an exit pupil (Fig. 1, element 19); and

a moving part (Fig. 3, elements 202-205) for moving said optical head 200 in a moving direction which is perpendicular to the tracks (Figs. 3 and 5, element W1-W2), the light path direction and the moving direction enclosing an angle of about 45° for achieving adequate light intensity at the level of said exit pupil (col. 3, lines 25-29 and col. 12, lines 58-62).

Regarding claim 3, Uchiyama discloses, an apparatus as claimed in claim 1, wherein the magnitude of said angle is $45^{\circ} \pm 1$ (col. 3, lines 25-29; col. 12, lines 58-62 and col. 25, lines 15-17; Magnitude of angle is 45 degrees and less than 45 degrees).

Regarding claim 5, Uchiyama discloses, an apparatus as claimed in claim 1, suitable for optical carriers of the DVD recordable type (Fig. 3, element 101 and col. 9, lines 3-10), wherein the spot is a diagonal spot having a 45° orientation with regard to the track direction (Fig. 20B, element Tr and col. 20, lines 42-45).

Regarding claim 6, Uchiyama discloses, an apparatus as claimed in claim 1, wherein a beam shaper is provided in the light path of the laser (Fig. 1, elements 14, 16, 19; col. 7, lines 56-59 and col. 4, lines 12-13).

Regarding claim 7, Uchiyama discloses, an apparatus as claimed in claim 1, wherein a second laser device is provided (Figs. 3-4, element 28).

Regarding claim 9, Uchiyama teaches an optical head suited for an apparatus as claimed in claim 1 (Fig 3 element 200).

Regarding Claim 8, Uchiyama teaches a method of reading and/or writing an optical data carrier (Col. 1 lines 5-11), comprising the step of:

providing an angle of about 45° between a main light path direction of an optical head and tracks which are fitted in the data carrier, so as to satisfy requirements for

reading and/or writing this optical data carrier (Figs. 3 and 5; col. 3, lines 25-29 and col. 12, lines 58-62).

5. Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Uchiyama (US 6,163,409) in view of applicants admitted prior art (AAPA: Specification page 5 lines 23-25).

Regarding claim 4, Uchiyama teaches an apparatus as claimed in claim 1.

Uchiyama does not teach wherein said angle is given by a correct illumination of said exit pupil, considering that a diagonal oval spot is required for a processing of data on said carrier.

AAPA does teach wherein said angle is given by a correct illumination of said exit pupil, considering that a diagonal oval spot is required for a processing of data on said carrier (Specification page 5 lines 23-25).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Uchiyama with AAPA for the purpose of recording onto a CDR (W).

Response to Arguments

6. Applicant's arguments with regards to claims 1-9, filed 28 March 2008, have been fully considered but they are not persuasive because upon further consideration of Uchiyama reference, Uchiyama does specifically disclose an angle of 45 degrees between the light path direction and the moving direction (col. 3, lines 25-29 and col. 12, lines 58-62).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHIBUIKE K. NWAKAMMA whose telephone number is (571)270-3458. The examiner can normally be reached on Mon-Thur and Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hoa Nguyen can be reached on 5712727579. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/C. K. N./
Examiner, Art Unit 2627

12 July 2008

/HOA T NGUYEN/
Supervisory Patent Examiner, Art Unit 2627